

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

- 1           1. (Currently amended) A system comprising:  
2           a plurality of devices, wherein devices within the plurality of devices  
3           communicate with incompatible protocols;  
4           a first device in the plurality of devices having a universal contextual  
5           interface, the universal contextual interface associated with at least one instruction  
6           for transferring contextual data associated with the first device; and  
7           a second device in the plurality of devices that invokes the universal  
8           contextual interface of the first device by executing the at least one instruction to  
9           transfer the contextual data associated with the first device between the first  
10          device and at least one of the other devices in the plurality of devices, the plurality  
11          of devices having no prior knowledge of each other;  
12          wherein the universal contextual interface is directly invoked by the  
13          second device to allow the contextual data to be transferred to the second device,  
14          ~~thereby avoiding the need of downloading and installing the universal contextual~~  
15          ~~interface onto the second device.; and~~  
16          wherein the second device registers as a listener with the first device  
17          through a notification interface of the first device to receive event notifications  
18          with respect to changes in the contextual data associated with the first device.

- 1           2. (Previously Presented) The system as set forth in claim 1 wherein the at  
2           least one of the plurality of devices comprises the second device.

1           3. (Previously Presented) The system as set forth in claim 1 wherein the  
2 first device sends a context object to the second device to be used by the second  
3 device to transfer the contextual data.

1           4. (Previously Presented) The system as set forth in claim 1 wherein the  
2 second device receives a context object from the first device to be used by the at  
3 least one of the plurality of devices for receiving contextual data transmitted from  
4 the first device.

1           5. (Previously Presented) The system as set forth in claim 1 wherein the at  
2 least one of the plurality of devices uses the contextual data as a criteria to  
3 authorize the first device or the second device to access instructions, data or  
4 operations associated with the at least one of the plurality of devices.

1           6. (Previously Presented) The system as set forth in claim 1 wherein the  
2 universal contextual interface or a context object have source-specific, object-  
3 oriented mobile code that can be understood and performed by the at least one of  
4 the plurality of devices to receive contextual data.

1           7. (Previously Presented) The system as set forth in claim 1 wherein the  
2 plurality of devices further comprise at least one software application or at least  
3 one file.

1           8. (Previously Presented) The system as set forth in claim 1 wherein the  
2 first device further comprises a historical database having at least one record of  
3 data provided by the second device during invocation of the universal contextual  
4 interface.

1           9. (Previously Presented) The system as set forth in claim 1 wherein the  
2 second device invokes a universal notification interface to register the at least one  
3 of the plurality of devices to receive an event notification each time the contextual  
4 data changes.

1           10. (Previously Presented) The system as set forth in claim 1 wherein the  
2 contextual data comprises executable computer language instructions, or a type,  
3 operating status, identity, location, administrative domain or environment  
4 information of at least one of the plurality of devices.

1           11. (Currently amended) A method for providing context information, the  
2 method comprising:

3           invoking a universal contextual interface associated with a first device in a  
4 plurality of devices, the contextual interface associated with at least one  
5 instruction for transferring contextual data associated with the first device,  
6 wherein devices within the plurality of devices communicate with incompatible  
7 protocols; and

8           wherein invoking the universal contextual interface involves executing the  
9 at least one instruction to transfer the contextual data associated with the first  
10 device between the first device and a second device in the plurality of devices, the  
11 plurality of devices having no prior knowledge of each other; and

12           wherein the universal contextual interface is directly invoked by the  
13 second device to allow the contextual data to be transferred to the second device;  
14 ~~thereby avoiding the need of downloading and installing the universal contextual~~  
15 ~~interface onto the second device.; and~~

16           wherein the second device registers as a listener with the first device  
17 through a notification interface of the first device to receive event notifications  
18 with respect to changes in the contextual data associated with the first device.

1           12. (Previously Presented) The method as set forth in claim 11 wherein the  
2 second device or a third device in the plurality of devices perform the invoking  
3 and executing.

1           13. (Previously Presented) The method as set forth in claim 11 further  
2 comprising sending a context object to the at least one of the plurality of devices  
3 to be used for transferring the contextual data.

1           14. (Previously Presented) The method as set forth in claim 11 further  
2 comprising using the contextual data as a criteria to authorize the second device to  
3 access instructions, data or operations associated with the one of the plurality of  
4 devices.

1           15. (Previously Presented) The method as set forth in claim 11 wherein the  
2 universal contextual interface or a context object have source-specific, object-  
3 oriented mobile code that can be interpreted and performed by the first device or  
4 the at least one of the plurality of devices to receive contextual data.

1           16. (Previously Presented) The method as set forth in claim 11 wherein the  
2 plurality of devices further comprise at least one software application or at least  
3 one file.

1           17. (Original) The method as set forth in claim 11 further comprising  
2 storing in a historical database at least one record of data provided during  
3 invocation of the universal contextual interface.

1           18. (Previously Presented) The method as set forth in claim 11 further  
2 comprising invoking a universal notification interface to register the at least one

3 of the plurality of devices to receive an event notification each time the contextual  
4 data changes.

1 19. (Previously Presented) The method as set forth in claim 11 wherein the  
2 contextual data comprises executable computer programming language  
3 instructions or a type, operating status, identity, location, administrative domain or  
4 environment information of at least one of the devices or of at least one user of the  
5 plurality of devices.

1 20. (Currently amended) A computer readable medium having stored  
2 thereon instructions for providing context information, which when executed by at  
3 least one processor, causes the processor to perform:

4 invoking a universal contextual interface associated with a first device in a  
5 plurality of devices, the contextual interface associated with at least one  
6 instruction for transferring contextual data associated with the first device,  
7 wherein devices within the plurality of devices communicate with incompatible  
8 protocols; and

9 wherein invoking the universal contextual interface involves executing the  
10 at least one instruction to transfer the contextual data associated with the first  
11 device between the first device in and a second device in the plurality of devices,  
12 the plurality of devices having no prior knowledge of each other; and

13 wherein the universal contextual interface is directly invoked by the  
14 second device to allow the contextual data to be transferred to the second device;  
15 ~~thereby avoiding the need of downloading and installing the universal contextual~~  
16 ~~interface onto the second device; and~~

17 wherein the second device registers as a listener with the first device  
18 through a notification interface of the first device to receive event notifications  
19 with respect to changes in the contextual data associated with the first device.

1           21. (Previously Presented) The medium as set forth in claim 20 wherein  
2 the second device or a third device in the plurality of devices perform the  
3 invoking and executing.

1           22. (Previously Presented) The medium as set forth in claim 20 further  
2 comprising sending a context object to the at least one of the plurality of devices  
3 to be used for transferring the contextual data.

1           23. (Previously Presented) The medium as set forth in claim 20 further  
2 comprising using the contextual data as a criteria to authorize the second device to  
3 access instructions, data or operations associated with the one of the plurality of  
4 devices.

1           24. (Previously Presented) The medium as set forth in claim 20 wherein  
2 the universal contextual interface or a context object have source-specific, object-  
3 oriented mobile code that can be interpreted and performed by the first device or  
4 the at least one of the plurality of devices to receive contextual data.

1           25. (Previously Presented) The medium as set forth in claim 20 wherein  
2 the plurality of devices further comprise at least one software application or at  
3 least one file.

1           26. (Original) The medium as set forth in claim 20 further comprising  
2 storing in a historical database at least one record of data provided during  
3 invocation of the universal contextual interface.

1           27. (Previously Presented) The medium as set forth in claim 20 further  
2 comprising invoking a universal notification interface to register the at least one

3 of the plurality of devices to receive an event notification each time the contextual  
4 data changes.

1 28. (Previously Presented) The medium as set forth in claim 20 wherein  
2 the contextual data comprises executable computer programming language  
3 instructions or a type, operating status, identity, location, administrative domain or  
4 environment information of at least one of the devices or of at least one user of the  
5 plurality of devices.